

# ABSTRACT

An iontophoresis device structure and a detecting method in which a physiological substance can be detected rapidly and in high sensitivity, are provided. In this structure, an electrode (2) is set in the bottom of a backing (1) having a concavity, and a conductive layer (3) is arranged in the concavity part. In the electrode (2), a connection terminal (4) is fixed through a small hole opened in the bottom of the backing (1) so as to be connectable with a power source. In such structure a member (6) for detection constituted so as to adsorb a physiological substance is arranged. The member (6) for detection is attached to a sticky sheet (5) where an opening is preset in the corresponding part. The member (6) for detection is used so as to be in contact with the skin or mucous membrane when starting the iontophoresis.